



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 09/889,309
Applicant : Detlef LAUK
Filed : October 22, 2001
TC/A.U. : 2834
Examiner : Iraj Mohandesi

Docket No. : R 36445
Customer No. : 02119
For : ELECTRIC DRIVE UNIT

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Date: December 4, 2003

**INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97(c) AND
EXPLANATION OF THE RELEVANCE OF THE CITED PRIOR ART**

Sir:

The undersigned hereby requests that the prior art cited on the attached prior art statement be placed of record in the application file.

This citation of prior art is made under 37 CFR 1.97(c), since it is being filed before any final action, including before a Notice of Allowance or any other action which closes prosecution.

This prior art statement is accompanied by a fee as set forth in 37 CFR 1.17(p).

The relevance of the prior art cited on the attached form 1449 is as follows:

US 5,184,039

This patent teaches a motor/gear-train drive unit, and particularly a motor-vehicle power-window drive or the like, which can be manufactured and assembled at low cost, and which comprises a motor frame (1) enclosed in the circumferential direction and an adjacent gear case (2) at one of its axial ends and a closing bearing cap (3) at its other axial end, can be obtained by making the bearing cap (3) with a brush support plate (5) mounted therein and bonded therewith. Plug pins (41, 42) extend outwardly through the bearing cap (3). The preassembled subassembly that is axially displaceable, tightly sealed (seal ring [7]), relative to the motor frame (1) and can be secured in a given final operating position to the motor frame (1).

US 5,942,827

This patent teaches an electric motor comprising a stator with an internal permanent magnet and a tubular magnetic return sleeve surrounding said permanent magnet whereby an annular air gap is formed there between, said magnetic return sleeve being held at its axial and radial positions relative to said permanent magnet by a frame of plastic material injected around these two components and being connected to said permanent magnet by said plastic frame.

The present invention aims at improving the manner in which the two structural components are attached to and positioned on one another. This is achieved on the basis of the features that said plastic frame extends approximately up to the outer circumference of said magnetic return sleeve, and that one end portion of said magnetic return sleeve has provided therein recesses having each at least two edges which extend towards each other in the direction of the interior of the sleeve, the plastic frame being anchored on said magnetic return sleeve by means of said recesses.

US 6,058,594

This patent teaches an electric motor comprising a stator with an internal permanent magnet and a tubular magnetic return sleeve surrounding said permanent magnet whereby an annular air gap is formed there between, said magnetic return sleeve being held at its axial and radial positions relative to said permanent magnet by a frame of plastic material injected around these two components and being connected to said permanent magnet by said plastic frame. The present invention aims at improving the manner in which the two structural components are attached to and positioned on one another. This is achieved on the basis of the features that said plastic frame extends approximately up to the outer circumference of said magnetic return sleeve, and that one end portion of said magnetic return sleeve has provided therein recesses having each at least two

edges which extend towards each other in the direction of the interior of the sleeve, the plastic frame being anchored on said magnetic return sleeve by means of said recesses.

DE 196 14 217

This patent teaches an electric motor comprising a stator with an internal permanent magnet and a tubular magnetic return sleeve surrounding said permanent magnet whereby an annular air gap is formed there between, said magnetic return sleeve being held at its axial and radial positions relative to said permanent magnet by a frame of plastic material injected around these two components and being connected to said permanent magnet by said plastic frame. The present invention aims at improving the manner in which the two structural components are attached to and positioned on one another. This is achieved on the basis of the features that said plastic frame extends approximately up to the outer circumference of said magnetic return sleeve, and that one end portion of said magnetic return sleeve has provided therein recesses having each at least two edges which extend towards each other in the direction of the interior of the sleeve, the plastic frame being anchored on said magnetic return sleeve by means of said recesses.

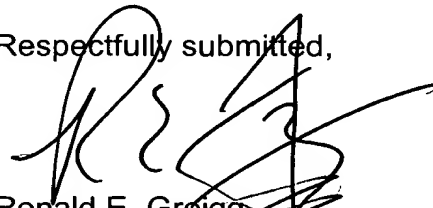
Appl. No. 09/889,309
IDS filed Dec. 4, 2003
As part of a Response to OA of Sept. 4, 2003

GB 2 014 371

This patent teaches a small electric geared motor which is contained in a housing (1). The housing is of two-part construction comprising an attachment plate (2) and a cover (3) which is securable to the plate (2) by tabs (7) punched out of the plate. Other tongues (4, 5, 6), also punched out of the plate, form carriers for mounting parts of the motor in the housing. When the plate is made from a ferromagnetic material, the bent up tongues (4, 5) act, together with the plate (2), as a magnetic flux return path for the magnetic elements of the motor.

Further examination of this application is respectfully requested.

Respectfully submitted,



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INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

R.36445

Application Number

09/889,309

Applicant(s)

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Filing Date

October 22, 2001

Group Art Unit

2834

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,184,039	Feb 02 93	Longin KRAFT			Aug 08 91
		5,942,827	Aug 24 99	Frank NEUMANN et al.			Apr 03 97
		6,058,594	May 09 00	Frank NEUMANN et al.			May 25 99

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
		GB 2014371	Aug 22 79	Great Britain				
		DE 196 14 217 A1	Oct 16 97	Germany				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.